

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ad: Adrian, drained-----	75	Very limited Ponding Depth to saturated zone Subsidence Frost action	1.00 1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Cutbanks cave Content of organic matter	1.00 1.00 1.00 1.00	Very limited Ponding Content of organic matter Depth to saturated zone	1.00 1.00 1.00
Be: Beaches-----	100	Not rated		Not rated		Not rated	
BnA: Blount-----	90	Very limited Frost action Shrink-swell Depth to saturated zone	1.00 1.00 0.94	Very limited Depth to saturated zone Depth to dense layer Cutbanks cave Too clayey	1.00 0.50 0.10 0.02	Somewhat limited Depth to saturated zone	0.94
BoB: Boyer-----	50	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Ormas-----	40	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.51
BoC: Boyer-----	50	Somewhat limited Slope	0.04	Very limited Cutbanks cave Slope	1.00 0.04	Somewhat limited Slope	0.04
Ormas-----	40	Somewhat limited Frost action Slope	0.50 0.04	Very limited Cutbanks cave Slope	1.00 0.04	Somewhat limited Droughty Slope	0.51 0.04
BoD: Boyer-----	50	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope	1.00
Ormas-----	40	Very limited Slope Frost action	1.00 0.50	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty	1.00 0.51

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BtA: Brems-----	90	Somewhat limited Depth to saturated zone	0.03	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Droughty Depth to saturated zone	0.97 0.03
Bz: Brookston-----	100	Very limited Frost action Depth to	1.00 1.00	Very limited Depth to saturated zone Depth to dense	1.00 0.50	Very limited Depth to saturated zone	1.00

			saturated zone Shrink-swell	0.50	layer Cutbanks cave	0.10		
CaC:								
Casco-----	100		Somewhat limited Slope	0.04	Very limited Cutbanks cave Slope	1.00 0.04	Somewhat limited Droughty Gravel content Slope	0.38 0.24 0.04
CaD2:								
Casco-----	100		Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty Gravel content	1.00 0.38 0.24
CcA:								
Carmi-----	100		Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
ChB:								
Chelsea-----	100		Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.97
ChC:								
Chelsea-----	100		Somewhat limited Slope	0.04	Very limited Cutbanks cave Slope	1.00 0.04	Somewhat limited Droughty Slope	0.97 0.04
Co:								
Cohoctah-----	100		Very limited Depth to saturated zone Frost action Flooding	1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00
CrA:								
Crosier-----	90		Very limited Frost action Depth to saturated zone Shrink-swell	1.00 0.94 0.50	Very limited Depth to saturated zone layer Cutbanks cave	1.00 0.50 0.10	Somewhat limited Depth to saturated zone	0.94

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Dr:							
Del Rey-----	90	Very limited Frost action Depth to saturated zone Shrink-swell	1.00 0.94 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.94
Ed:							
Edwards-----	100	Very limited Depth to saturated zone Subsidence Frost action	1.00 1.00 1.00	Very limited Depth to saturated zone Content of organic matter Cutbanks cave	1.00 1.00 0.10	Very limited Content of organic matter Depth to saturated zone Carbonate content	1.00 1.00 1.00
GnB:							
Glynwood-----	90	Very limited Frost action Shrink-swell Depth to saturated zone	1.00 1.00 0.19	Very limited Depth to saturated zone Depth to dense layer Cutbanks cave	1.00 0.50 0.12 0.10	Somewhat limited Depth to saturated zone	0.19
Gs:							
Granby Variant----	100	Very limited Depth to saturated zone Flooding Frost action	1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Flooding Depth to dense layer	1.00 1.00 0.80 0.50	Very limited Flooding Depth to saturated zone Droughty	1.00 1.00 0.01
HaA:							
Haskins-----	90	Very limited		Very limited		Somewhat limited	

			Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.94
			Depth to saturated zone	0.94	Depth to dense layer	0.50		
			Shrink-swell	0.50	Cutbanks cave	0.10		
Hn:								
Histosols-----	100		Very limited		Very limited		Very limited	
			Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
			Frost action	1.00	Cutbanks cave	0.10	Droughty	1.00
Ht:								
Houghton, undrained-	75		Very limited		Very limited		Very limited	
			Ponding	1.00	Ponding	1.00	Ponding	1.00
			Depth to saturated zone	1.00	Depth to saturated zone	1.00	Content of organic matter	1.00
			Subsidence	1.00	Content of organic matter	1.00	Depth to saturated zone	1.00
			Frost action	1.00	Cutbanks cave	0.10		

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Hw:							
Houghton, drained---	75	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Content of organic matter	1.00
		Subsidence	1.00	Content of organic matter	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Cutbanks cave	0.10		
KoA:							
Kosciusko-----	90	Somewhat limited		Very limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	1.00		
		Frost action	0.50				
KoB:							
Kosciusko-----	100	Somewhat limited		Very limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	1.00		
		Frost action	0.50				
KsC:							
Kosciusko-----	100	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Cutbanks cave	1.00	Slope	0.04
		Frost action	0.50	Slope	0.04	Content of large stones	0.01
		Slope	0.04			Gravel content	0.01
MbA:							
Martinsville-----	90	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
MbB:							
Martinsville-----	90	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
MbC:							
Martinsville-----	100	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Slope	0.04
		Slope	0.04	Slope	0.04		
Mc:							
Martisco-----	100	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Content of organic matter	1.00
		Frost action	1.00	Cutbanks cave	0.10	Depth to saturated zone	1.00
						Carbonate content	1.00
MfB:							
Metea-----	100	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.19
MfC:							
Metea-----	100	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.19
		Slope	0.04	Slope	0.04	Slope	0.04

Table ENG-4.--Building Site Development--Continued

Map symbol	Pct.	Local roads and	Shallow excavations	Lawns and landscaping
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and soil name	of map unit	streets					
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
MhB: Miami-----	90	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone	0.99	Not limited	
		Frost action	0.50	Depth to dense layer	0.50		
				Cutbanks cave	0.10		
MhC: Miami-----	100	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone	0.99	Somewhat limited Slope	0.04
		Frost action	0.50	Depth to dense layer	0.50		
		Slope	0.04	Cutbanks cave Slope	0.10 0.04		
MhD: Miami-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Shrink-swell	0.50	Depth to saturated zone	0.99		
		Frost action	0.50	Depth to dense layer	0.50		
				Cutbanks cave	0.10		
MhE: Miami-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Shrink-swell	0.50	Depth to dense layer	0.50		
		Frost action	0.50	Cutbanks cave	0.10		
MkC3: Miami-----	100	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone	0.99	Somewhat limited Slope	0.04
		Slope	0.04	Depth to dense layer	0.50	Droughty	0.01
				Cutbanks cave	0.10	Content of large stones	0.01
				Slope	0.04		
MkD3: Miami-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Frost action	0.50	Depth to saturated zone	0.99	Content of large stones	0.01
				Depth to dense layer	0.50		
				Cutbanks cave	0.10		

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Mm: Millgrove-----	100	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Cutbanks cave	1.00		
		Shrink-swell	0.50	Depth to dense layer	0.50		
Mn: Milford-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
MoC2: Morley-----	100	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.99	Somewhat limited Slope	0.04
		Frost action	0.50	Depth to dense layer	0.50		

		Slope	0.04	Cutbanks cave	0.10		
				Slope	0.04		
				Too clayey	0.01		
MoD2: Morley-----	100	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Too clayey	1.00	Slope	1.00
		Slope	1.00	Slope	1.00		
		Frost action	0.50	Depth to	0.99		
				saturated zone			
				Depth to dense	0.50		
				layer			
				Cutbanks cave	0.10		
MoE2: Morley-----	100	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Depth to dense	0.50		
				layer			
		Frost action	0.50	Cutbanks cave	0.10		
				Too clayey	0.01		
MrC3: Morley-----	100	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to	0.99	Droughty	0.22
				saturated zone			
		Frost action	0.50	Depth to dense	0.50	Slope	0.04
				layer			
		Slope	0.04	Cutbanks cave	0.10		
				Slope	0.04		
				Too clayey	0.01		

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
MrD3: Morley-----	100	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to	0.99	Droughty	0.22
				saturated zone			
		Frost action	0.50	Depth to dense	0.50		
				layer			
				Cutbanks cave	0.10		
				Too clayey	0.01		
Mx: Morocco-----	90	Somewhat limited		Very limited		Somewhat limited	
		Depth to	0.94	Depth to	1.00	Depth to	0.94
		saturated zone		saturated zone		saturated zone	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.76
Mz: Muskego-----	100	Very limited		Very limited		Very limited	
		Depth to	1.00	Depth to	1.00	Content of	1.00
		saturated zone		saturated zone		organic matter	
		Subsidence	1.00	Content of	1.00	Depth to	1.00
				organic matter		saturated zone	
		Frost action	1.00	Cutbanks cave	0.10		
OhA: Oshtemo-----	55	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
Ormas-----	35	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.51
OhB: Oshtemo-----	55	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
Ormas-----	35	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.51
OhC: Oshtemo-----	60	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.04	Cutbanks cave	1.00	Slope	0.04
				Slope	0.04		
Ormas-----	40	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.51
		Slope	0.04	Slope	0.04	Slope	0.04
OsC: Oshtemo-----	35	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.01	Cutbanks cave	1.00	Slope	0.01

				Slope	0.01		
Kosciusko-----	25	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Cutbanks cave	1.00	Slope	0.01
		Frost action	0.50	Slope	0.01		
		Slope	0.01				

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Riddles-----	20	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Cutbanks cave	0.10	Slope	0.01
		Frost action	0.50	Slope	0.01		
		Slope	0.01				
Pa: Palms-----	100	Very limited		Very limited		Very limited	
		Depth to	1.00	Depth to	1.00	Content of	1.00
		saturated zone		saturated zone		organic matter	
		Subsidence	1.00	Content of	1.00	Depth to	1.00
		Frost action	1.00	organic matter		saturated zone	
				Cutbanks cave	0.10		
Pe: Pewamo-----	100	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to	1.00	Depth to	1.00
				saturated zone		saturated zone	
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Depth to	1.00				
		saturated zone					
Pg: Pits-----	100	Not rated		Not rated		Not rated	
PnA: Plainfield-----	90	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.98
PnB: Plainfield-----	100	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.98
RaB: Rawson-----	90	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Cutbanks cave	1.00	Depth to	0.03
		Frost action	0.50	Depth to	1.00	saturated zone	
		Depth to	0.03	saturated zone			
		saturated zone		Depth to dense	0.50		
				layer			
Rb: Rensselaer-----	100	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to	1.00	Depth to	1.00
				saturated zone		saturated zone	
		Depth to	1.00	Cutbanks cave	1.00		
		saturated zone					
RxA: Riddles-----	90	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
RxB: Riddles-----	90	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
RxC: Riddles-----	100	Somewhat limited		Somewhat limited		Somewhat limited	

		Shrink-swell	0.50	Cutbanks cave	0.10	Slope	0.04
		Frost action	0.50	Slope	0.04		
		Slope	0.04				
RxD:							
Riddles-----	100	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Ry:							
Riverdale-----	90	Somewhat limited		Very limited		Somewhat limited	
		Depth to	0.94	Depth to	1.00	Depth to	0.94
		saturated zone		saturated zone		saturated zone	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.30
Sh:							
Shoals-----	90	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to	1.00	Flooding	1.00
				saturated zone			
		Flooding	1.00	Flooding	0.80	Depth to	0.94
		Depth to	0.94	Cutbanks cave	0.10	saturated zone	
		saturated zone					
Ud:							
Udorthents-----	100	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
W:							
Water-----	100	Not rated		Not rated		Not rated	
Wa:							
Wallkill-----	100	Very limited		Very limited		Very limited	
		Depth to	1.00	Depth to	1.00	Depth to	1.00
		saturated zone		saturated zone		saturated zone	
		Frost action	1.00	Content of	1.00		
				organic matter			
				Cutbanks cave	0.10		
Wh:							
Washtenaw-----	100	Very limited		Very limited		Very limited	
		Depth to	1.00	Depth to	1.00	Depth to	1.00
		saturated zone		saturated zone		saturated zone	
		Frost action	1.00	Cutbanks cave	0.10		

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
WsB:							
Wawasee-----	90	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Depth to dense	0.50		
		Frost action	0.50	layer			
				Cutbanks cave	0.10		
WsC:							
Wawasee-----	100	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to dense	0.50	Slope	0.04
		Frost action	0.50	layer			
		Slope	0.04	Cutbanks cave	0.10		
				Slope	0.04		
WsD:							
Wawasee-----	100	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to dense	0.50		
		Frost action	0.50	layer			
				Cutbanks cave	0.10		
WsE:							
Wawasee-----	100	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to dense	0.50		
		Frost action	0.50	layer			
				Cutbanks cave	0.10		
WvC3:							
Wawasee-----	100	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to dense	0.50	Droughty	0.11
		Frost action	0.50	layer			
		Slope	0.04	Cutbanks cave	0.10	Slope	0.04
				Slope	0.04	Content of large	0.01
						stones	

WvD3:							
Wawasee-----	100	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to dense layer	0.50	Droughty	0.11
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.01
Wx:							
Whitaker-----	90	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.94
		Depth to saturated zone	0.94	Cutbanks cave	1.00		
		Shrink-swell	0.50				